



# CONSTRUCTION EQUIPMENT

## RA46 VOLVO A40G 352352 - DIESEL ENGINE



**Sample No:** VCP435135  
**Oil Type:** VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3  
**Job No:** RA46



### SAMPLE INFORMATION

Sample Number	VCP435135	---	---	---
Sample Date	16 Nov 2023	---	---	---
Machine Hours	4970	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

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### OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	---	---	---
Base Number (BN)	mg KOH/g	█ 8.2	---	---	---
Oxidation (PA)	%	82	---	---	---

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.4	---	---	---
Nitration (PA)	%	73	---	---	---
Sulfation (PA)	%	62	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	█ 0.5	---	---	---
Silicon	ppm	█ 6	---	---	---
Sodium	ppm	█ 3	---	---	---
Potassium	ppm	█ 0	---	---	---



### WEAR METALS

Iron	ppm	█ 11	---	---	---
Copper	ppm	█ 2	---	---	---
Lead	ppm	█ 0	---	---	---
Tin	ppm	█ <1	---	---	---
Aluminum	ppm	█ 11	---	---	---
Chromium	ppm	█ <1	---	---	---
Molybdenum	ppm	█ 40	---	---	---
Nickel	ppm	█ 4	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	█ 0	---	---	---
Manganese	ppm	█ <1	---	---	---
Vanadium	ppm	<1	---	---	---



### ADDITIVES

Calcium	ppm	█ 1659	---	---	---
Magnesium	ppm	█ 493	---	---	---
Zinc	ppm	█ 1049	---	---	---
Phosphorus	ppm	█ 867	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 25	---	---	---

**Depot:** VOLVO0080  
**Unique No:** 10752984  
**Signed:** Wes Davis  
**Report Date:** 24 Nov 2023



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## GRAPHS

